

**TECHNICAL WORK MAY NOT BEGIN PRIOR TO CO APPROVAL**

NASA/GODDARD SPACE FLIGHT CENTER

**REQUEST FOR TASK PLAN / TASK ORDER**

<b>CONTRACTOR</b>	<b>CONTRACT NO. / TASK NO.</b>	<b>JOB ORDER NUMBER</b>	<b>APPROP. FY</b>
<b>QSS Group, Inc.</b>	NAS5- <b>99124</b> TASK NO. <b>360</b>	<b>561-359-04-03-89</b>	<b>00 &amp; 01</b>

**TASK TITLE:** (NTE 80 characters; include Project name)

**Triana TESS FPGA Validation**

**APPROVALS:** (Type or print name and sign)

**ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR)**

<b>Mark Voyton</b> <i>Mark Voyton</i>	<b>DATE</b> <i>9/8/00</i> 9/8/00	<b>ORG CODE</b> 561	<b>MAIL CODE</b> 561	<b>PHONE</b> 301-286-5287
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<b>BRANCH HEAD</b> <b>Robert W. Stone</b> <i>Robert W. Stone</i>	<b>DATE</b> <i>9-8-00</i> 9/8/00	<b>CODE</b> 561	<b>PHONE</b> 301-286-5966
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<b>CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR)</b> <i>for</i> <b>Robert S. Lebar, Jr.</b> <i>Suzanne A. Clark</i>	<b>DATE</b> <i>9/8/00</i> 9/8/00	<b>CODE</b> 560	<b>PHONE</b> 301-286-6588
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<b>FLIGHT HARDWARE, CRITICAL GSE OR SOFTWARE?</b> (IF YES, NEED CODE 303 CONCURRENCE NEXT BLOCK) <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES	<b>CONTRACTING OFFICER'S QUALITY REP.</b> <i>see for L. Moore</i> Larry Moore	<b>DESIGNATED FAM:</b> Roger Counts
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The contractor shall identify and explain the reason for any deviations, exceptions, or conditional assumptions taken with respect to this Task Order or to any of the technical requirements of the Task Order Statement of Work and related specifications. The contractor shall complete and submit the required Reps and Certs.

(To be completed by Contracting Officer)  
**C.O. Requested Quote on:**  
**Date:** *SEP 8 2000*

Contractor will develop specification or statement of work under this task for a future procurement. ☒ NO    ☐ YES

Flight hardware will be shipped to GSFC for testing prior to final delivery. ☐ NO      ☐ YES      ☒ N/A

Government Furnished Property/Facilities: ☒ NO      ☐ YES -- SEE LIST OF GFP (offsite only) / FACILITIES (onsite only)

Onsite Performance: ☐ NO      ☒ YES      If yes: ☐ TOTAL      ☒ PARTIAL  
If partial, indicate onsite work in SOW by asterisk (\*)

Surveillance Plan Attached: ☒ NO      ☐ YES

**Highlighted Contract Clauses:** (to be completed by Contracting Officer)  
Per Clause H.14, Task Ordering Procedure, subparagraph (f), the effective date of this task order shall be September 8, 2000.

**INCENTIVE FEE STRUCTURE (check one)**

(See Contract NAS5-99124, Attachment K, Incentive Fee Plan)

	No. 1	No. 2	<input checked="" type="checkbox"/> No. 3	No. 4	No. 5
Cost	10%	50%	25%	25%	%
Schedule	15%	25%	25%	50%	%
Technical	75%	25%	50%	25%	%

(To be completed by Contracting Officer)

The target cost of this task order is \$ *45,880*.

The target fee of this task order is \$ *2,939*.

The total target cost and target fee of this task order as contemplated by the Incentive Fee clause of this contract is \$ *48,819*.

The maximum fee is \$ *4,296*.

The minimum fee is \$0.

**AUTHORIZED SIGNATURE:**

*Elizabeth J. Austin*      *10/7/00*

SIGNATURE OF CONTRACTING OFFICER      DATE

**ELIZABETH J. AUSTIN**  
**CONTRACTING OFFICER**  
TYPED NAME OF CONTRACTING OFFICER

**CONTRACTOR'S ACCEPTANCE:**

\_\_\_\_\_  
AUTHORIZED SIGNATURE      DATE

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**REQUEST FOR TASK PLAN / TASK ORDER**

CONTRACTOR	CONTRACT NO./TASK NO.	TASK NO.	AMENDMENT
QSS Group, Inc.	NAS5- 99124	360	

Applicable paragraphs from contract Statement of Work: Function 2-5

**STATEMENT OF WORK:** (Continue on blank paper if additional space is required)

The contractor shall verify and validate the performance and functionality of the Triana Electrical Subsystem Sequencer FPGA designs. Included in the effort are a full functional test, post route negative testing for all state combinations, and post-route negative testing for all combinations of TMR states. The evaluation shall be summarized in a report which includes an executive as well as detailed summary of the assessment.

**PERFORMANCE SPECIFICATIONS:**

Reports and Documents: Technical performance will be based on thoroughness and completeness of written reports. Acceptable performance is that the ATR is satisfied that the material reflects the proper level of technical expertise and meets the objectives of the activity. Reports shall be delivered to the ATR both as a hard copy and in PC compatible electronic format via either diskette or email.

A report shall summarize the Verification and Validation effort. The report shall include timing assessments, margins, and recommendations for improvement, if necessary. Timing assessments and overall design approach shall be validated against 561-PG-8700.2.1.

Technical Progress Report: Acceptable performance is that the ATR is satisfied that he is being kept informed of the status of work performed and of issues requiring his attention.

Management: Performance will be measured against the following metrics: (1) accomplishment of objectives; (2) clear, incremental progress; (3) responsiveness to issues; (4) efficient and appropriate staffing; and (5) coordination with and good working relationship with ATR and other related contractor efforts, if applicable.

**APPLICABLE DOCUMENTS:**

Goddard Space Flight Center ISO 9000 document 561-PG-8700.2.1

TASK END DATE: 12/31/00

**MILESTONES/DELIVERABLES AND DATES:**

1. TESS FPGA Functional Test Results: due CTR acceptance + 30 days
2. TESS FPGA post route Negative testing of State Machines Results: due CTR acceptance + 45 days
3. TESS FPGA pos route Negative testing of TMR States Results: due CTR acceptance + 60 days
4. Final report including executive summary and detailed back-up: due CTR acceptance + 75 days
5. Technical Progress Report: monthly, 15th of the month

**PERFORMANCE STANDARDS:**

Schedule: On-time delivery/completion of the deliverables/milestones  
Technical: ATR's acceptance of the above

**FINAL DELIVERY DESTINATION (NAME, BLDG, ROOM):**

Mark Voyton, building 23, room E309